

Data Review Results

Wed, 6 Jan 2016 17:06:21

Lab Code: EQI

SDG: F6R05

Contract: EPW14035

Submission Group Id: 30115556

Lab Name: Shealy Environmental Services, Inc.

Case: 45671

Client: EPA Region 6

SOW: SOM02.3

HoldingTimes_Preservation

Method - Volatile Organics

Test Name: EXES-1516

Defect Message: The following non-aqueous samples are properly preserved and analysis is outside the technical holding time. Detects are qualified as estimated low J. Nondetects are qualified as unusable R.

Associated Samples: F6R19, F6R20, F6R21, F6R23

F6R21, F6R20, F6R23, F6R19

Data Validation Report

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Lab Name: Shealy Environmental Services, Inc.	Case: 45671	Client: EPA Region 6	SOW: SOM02.3

TUNE

NONE FOUND

Data Review Results

Wed, 6 Jan 2016 17:06:21

Lab Code: EQI

SDG: F6R05

Contract: EPW14035

Submission Group Id: 30115556

Lab Name: Shealy Environmental Services, Inc.

Case: 45671

Client: EPA Region 6

SOW: SOM02.3

Initial Calibration

Method - Volatile Organics

Test Name: EXES-793**Defect Message:** The following samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detects are qualified as estimated J. Use professional judgment to qualify nondetects.**Associated Samples: F6R23, VBLKPE**

Bromochloromethane	VSTD005PE
1,2,4-Trichlorobenzene	VSTD005PE

Test Name: EXES-989**Defect Message:** The following samples are associated with an initial calibration with relative response factors (RRFs) outside criteria. Detects are qualified as estimated J+. Nondetects are qualified as unusable R.**Associated Samples: F6R05, F6R06, F6R08, F6R09, VBLKNH**

1,1,2-Trichloroethane	VSTD005NH
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Method - Semivolatiles

Test Name: EXES-793**Defect Message:** The following samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detects are qualified as estimated J. Use professional judgment to qualify nondetects.**Associated Samples: F6R05, F6R06, F6R06RX, F6R07, F6R08, F6R09, F6R10, F6R11, F6R12, F6R13, F6R14, F6R15, F6R16, F6R17, SBLK19, SBLK46**

2,6-Dinitrotoluene	SSTD005NG
2,4-Dinitrotoluene	SSTD005NG
2,3,4,6-Tetrachlorophenol	SSTD005NG

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Client: EPA Region 6

SOW: SOM02.3

Continuing Calibration Verification

Method - Volatile Organics

Test Name: EXES-1209**Defect Message:** The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detecteds are qualified as estimated J. Nondetects are qualified as estimated UJ.**Associated Samples:** F6R05, F6R06, F6R09, F6R10, F6R11, F6R12, F6R13, F6R16, F6R23, VBLKPE, VBLKQV

Vinyl chloride	VSTD050QZ
Chloroethane	VSTD050QA

Method - Semivolatiles by SIM

Test Name: EXES-1209**Defect Message:** The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detecteds are qualified as estimated J. Nondetects are qualified as estimated UJ.**Associated Samples:** F6R05RX, F6R06RX, F6R16RX, SBLK02, SBLK38

Acenaphthene	SSTD0.2PC
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SDG: F6R05

Contract: EPW14035

Submission Group Id: 30115556

Lab Name: Shealy Environmental Services, Inc.

Case: 45671

Client: EPA Region 6

SOW: SOM02.3

Blanks

Method - Volatile Organics

Test Name: EXES-1167

Defect Message: The following samples have the same tentatively identified compounds (TIC) detected as in the associated storage blank. TIC results reported in the associated storage blank exceed concentration criteria. Detects are not qualified. Nondetects are not qualified. Use professional judgement to qualify data.

Associated Samples: F6R05, F6R06, F6R07, F6R08, F6R09, F6R10, F6R11, F6R12, F6R13, F6R15, F6R16, F6R20, F6R21, F6R23

Unknown-01	F6R21, F6R20, F6R08, F6R06, F6R10, F6R12, F6R09, F6R11, F6R13, F6R16, F6R23, F6R05, F6R07, F6R15
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Test Name: EXES-1171

Defect Message: The following samples have the same tentatively identified compounds (TIC) detected as in the associated method blank. TIC results reported in the associated method blank exceed concentration criteria. Detects are not qualified. Nondetects are not qualified. Use professional judgement to qualify data.

Associated Samples: F6R15, F6R20, F6R21

Unknown-01	F6R21, F6R15, F6R20
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Test Name: EXES-1174

Defect Message: The following samples were analyzed after a highly contaminated sample and have no preceding instrument blank. Detects are not qualified. Nondetects are not qualified. Use professional judgement to qualify data.

Associated Samples: F6R05

Dichlorodifluoromethane	F6R05
Chloromethane	F6R05
Vinyl chloride	F6R05
Bromomethane	F6R05
Chloroethane	F6R05
Trichlorofluoromethane	F6R05
1,1-Dichloroethene	F6R05
1,1,2-Trichloro-1,2,2-Trifluoroethane	F6R05
Acetone	F6R05
Carbon disulfide	F6R05

Data Validation Report

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Lab Code: EQI

SDG: F6R05

Contract: EPW14035

Submission Group Id: 30115556

Lab Name: Shealy Environmental Services, Inc.

Case: 45671

Client: EPA Region 6

SOW: SOM02.3

Test Name: EXES-1174

Defect Message: The following samples were analyzed after a highly contaminated sample and have no preceding instrument blank. Detects are not qualified. Nondetects are not qualified. Use professional judgement to qualify data.

Associated Samples: F6R05

Methyl acetate	F6R05
Methylene chloride	F6R05
trans-1,2-Dichloroethene	F6R05
Methyl tert-butyl ether	F6R05
1,1-Dichloroethane	F6R05
cis-1,2-Dichloroethene	F6R05
2-Butanone	F6R05
Bromochloromethane	F6R05
Chloroform	F6R05
1,1,1-Trichloroethane	F6R05
Cyclohexane	F6R05
Carbon tetrachloride	F6R05
Benzene	F6R05
1,2-Dichloroethane	F6R05
Trichloroethene	F6R05
1,2-Dichloropropane	F6R05
Bromodichloromethane	F6R05
cis-1,3-Dichloropropene	F6R05
4-Methyl-2-pentanone	F6R05
Toluene	F6R05
trans-1,3-Dichloropropene	F6R05
1,1,2-Trichloroethane	F6R05
Tetrachloroethene	F6R05
2-Hexanone	F6R05
Dibromochloromethane	F6R05
1,2-Dibromoethane	F6R05
Chlorobenzene	F6R05
Ethylbenzene	F6R05
m, p-Xylene	F6R05
Styrene	F6R05
Bromoform	F6R05
Isopropylbenzene	F6R05
1,1,2,2-Tetrachloroethane	F6R05
1,3-Dichlorobenzene	F6R05
1,4-Dichlorobenzene	F6R05
1,2-Dichlorobenzene	F6R05
1,2-Dibromo-3-chloropropane	F6R05

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Lab Code: EQI

SDG: F6R05

Contract: EPW14035

Submission Group Id: 30115556

Lab Name: Shealy Environmental Services, Inc.

Case: 45671

Client: EPA Region 6

SOW: SOM02.3

Test Name: EXES-1174

Defect Message: The following samples were analyzed after a highly contaminated sample and have no preceding instrument blank. Detects are not qualified. Nondetects are not qualified. Use professional judgement to qualify data.

Associated Samples: F6R05

1,2,4-Trichlorobenzene	F6R05
1,2,3-Trichlorobenzene	F6R05

Method - Semivolatiles

Test Name: EXES-1170

Defect Message: The following samples have the same tentatively identified compounds (TIC) detected as in the associated method blank. TIC results reported in the associated method blank exceed concentration criteria. Detects are not qualified. Nondetects are not qualified. Use professional judgement to qualify data.

Associated Samples: F6R06RX

Unknown-01	F6R06RX
Unknown-02	F6R06RX

Method - Semivolatiles by SIM

Test Name: EXES-1101

Defect Message: The following samples have analyte results reported less than CRQLs. The associated method blank results are greater than or equal to CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

Associated Samples: F6R08

Naphthalene	F6R08
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Test Name: EXES-1123

Defect Message: The following samples have analyte results reported greater than or equal to CRQLs and greater than or equal to the method blank results. The associated method blank results are greater than or equal to CRQLs. Detects are not qualified. Use professional judgment to qualify data.

Associated Samples: F6R05, F6R06, F6R07, F6R08, F6R09, F6R10, F6R11, F6R12, F6R13, F6R15, F6R16, F6R17

Data Validation Report

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Lab Code: EQI	SDG: F6R05	Contract: EPW14035	Submission Group Id: 30115556
Lab Name: Shealy Environmental Services, Inc.	Case: 45671	Client: EPA Region 6	SOW: SOM02.3

Test Name: EXES-1123

Defect Message: The following samples have analyte results reported greater than or equal to CRQLs and greater than or equal to the method blank results. The associated method blank results are greater than or equal to CRQLs. Detects are not qualified. Use professional judgment to qualify data.

Associated Samples: F6R05, F6R06, F6R07, F6R08, F6R09, F6R10, F6R11, F6R12, F6R13, F6R15, F6R16, F6R17

Naphthalene	F6R05, F6R09, F6R06, F6R15, F6R17, F6R16, F6R10, F6R07, F6R12, F6R11, F6R13
2-Methylnaphthalene	F6R07, F6R16, F6R09, F6R06, F6R08, F6R12, F6R11, F6R15, F6R13, F6R17, F6R05, F6R10

Data Review Results

Wed, 6 Jan 2016 17:06:21

Lab Code: EQI

SDG: F6R05

Contract: EPW14035

Submission Group Id: 30115556

Lab Name: Shealy Environmental Services, Inc.

Case: 45671

Client: EPA Region 6

SOW: SOM02.3

DMC_Surrogate

Method - Volatile Organics

Test Name: EXES-1350

Defect Message: The following samples have DMC/surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Nondetects are qualified as estimated UJ.

Associated Samples: F6R09, F6R12, F6R14, F6R15, F6R16, F6R21, F6R23

1,1-Dichloroethene-d2	F6R12
1,2-Dichloroethane-d4	F6R23, F6R12, F6R15, F6R14
1,2-Dichloropropane-d6	F6R14, F6R12, F6R15, F6R16
trans-1,3-Dichloropropene-d4	F6R09
1,1,2,2-Tetrachloroethane-d2	F6R21, F6R12
1,2-Dichlorobenzene-d4	F6R14, F6R15, F6R12

Test Name: EXES-787

Defect Message: The following samples have DMC/surrogate percent recoveries less than the expanded minimum criteria. Detects are qualified as estimated J-. Nondetects are qualified as unusable R.

Associated Samples: F6R05, F6R09

2-Hexanone-d5	F6R05
1,2-Dichlorobenzene-d4	F6R09

Test Name: EXES-973

Defect Message: The following method blanks have DMC/surrogate percent recoveries outside criteria. Detects are not qualified. Nondetects are not qualified. Use professional judgment to qualify data.

Associated Samples: VBLKQV

Vinyl Chloride-d3	VBLKQV
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Data Review Results

Wed, 6 Jan 2016 17:06:21

Lab Code: EQI

SDG: F6R05

Contract: EPW14035

Submission Group Id: 30115556

Lab Name: Shealy Environmental Services, Inc.

Case: 45671

Client: EPA Region 6

SOW: SOM02.3

Test Name: EXES-982

Defect Message: The following samples have DMC/surrogate percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J+. Use professional judgment to qualify nondetects.

Associated Samples: F6R05, F6R06, F6R09, F6R10, F6R23, VIBLK03

Benzene-d6	VIBLK03
1,2-Dichloropropane-d6	F6R05, F6R23, F6R10
Toluene-d8	F6R23, F6R09
trans-1,3-Dichloropropene-d4	F6R23, F6R06
2-Hexanone-d5	F6R23
1,1,2,2-Tetrachloroethane-d2	F6R06

Method - Semivolatiles

Test Name: EXES-1346

Defect Message: The following samples have DMC/surrogate percent recoveries less than the primary minimum criteria. Detects are qualified as estimated J-. Nondetects are qualified as estimated UJ.

Associated Samples: F6R11

4,6-Dinitro-2-methylphenol-d2	F6R11
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Test Name: EXES-973

Defect Message: The following method blanks have DMC/surrogate percent recoveries outside criteria. Detects are not qualified. Nondetects are not qualified. Use professional judgment to qualify data.

Associated Samples: SBLK19

1,4-Dioxane-d8	SBLK19
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Test Name: EXES-982

Defect Message: The following samples have DMC/surrogate percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J+. Use professional judgment to qualify nondetects.

Associated Samples: F6R05, F6R06, F6R06RX

4-Chloroaniline-d4	F6R06RX, F6R05, F6R06
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Data Review Results

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Lab Code: EQI	SDG: F6R05	Contract: EPW14035	Submission Group Id: 30115556
Lab Name: Shealy Environmental Services, Inc.	Case: 45671	Client: EPA Region 6	SOW: SOM02.3

Test Name: EXES-982

Defect Message: The following samples have DMC/surrogate percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J+. Use professional judgment to qualify nondetects.

Associated Samples: F6R05, F6R06, F6R06RX

4-Nitrophenol-d4	F6R06
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Method - Semivolatiles by SIM

Test Name: EXES-787

Defect Message: The following samples have DMC/surrogate percent recoveries less than the expanded minimum criteria. Detects are qualified as estimated J-. Nondetects are qualified as unusable R.

Associated Samples: F6R05, F6R06, F6R10, F6R11, F6R12, F6R13, F6R14, F6R16

Fluoranthene-d10	F6R10, F6R05, F6R12, F6R16, F6R06, F6R13
2-Methylnaphthalene-d10	F6R13, F6R14, F6R11, F6R12, F6R05, F6R06, F6R10

Test Name: EXES-982

Defect Message: The following samples have DMC/surrogate percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J+. Use professional judgment to qualify nondetects.

Associated Samples: F6R05RX, F6R06RX, F6R07, F6R08, F6R09, F6R11, F6R16, F6R16RX, F6R17

Fluoranthene-d10	F6R05RX, F6R16RX, F6R11, F6R08, F6R09
2-Methylnaphthalene-d10	F6R16, F6R07, F6R09, F6R05RX, F6R06RX, F6R17, F6R08

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Lab Code: EQI	SDG: F6R05	Contract: EPW14035	Submission Group Id: 30115556
Lab Name: Shealy Environmental Services, Inc.	Case: 45671	Client: EPA Region 6	SOW: SOM02.3

MatrixSpikes

NONE FOUND

Data Review Results

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Lab Code: EQI

SDG: F6R05

Contract: EPW14035

Submission Group Id: 30115556

Lab Name: Shealy Environmental Services, Inc.

Case: 45671

Client: EPA Region 6

SOW: SOM02.3

InternalStandard

NONE FOUND

Data Review Results

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Lab Code: EQI	SDG: F6R05	Contract: EPW14035	Submission Group Id: 30115556
Lab Name: Shealy Environmental Services, Inc.	Case: 45671	Client: EPA Region 6	SOW: SOM02.3

PercentSolids

NONE FOUND

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SampleAnalysis

NONE FOUND

Data Review Results

Wed, 6 Jan 2016 17:06:21

Lab Code: EQI

SDG: F6R05

Contract: EPW14035

Submission Group Id: 30115556

Lab Name: Shealy Environmental Services, Inc.

Case: 45671

Client: EPA Region 6

SOW: SOM02.3

DetectionLimit

Method - Volatile Organics

Test Name: EXES-790**Defect Message: The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.****Associated Samples: F6R05, F6R08, F6R10, F6R11, F6R12, F6R15, F6R16, F6R17, F6R20, F6R21, F6R23**

Acetone	F6R17
Methylene chloride	F6R05, F6R08
Benzene	F6R16, F6R15, F6R21, F6R20
1,2-Dichloropropane	F6R16
Toluene	F6R16
o-Xylene	F6R23, F6R21
Isopropylbenzene	F6R20, F6R11, F6R12, F6R10

Method - Semivolatiles

Test Name: EXES-790**Defect Message: The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.****Associated Samples: F6R05, F6R06, F6R06RX, F6R07, F6R09, F6R10, F6R11, F6R12, F6R13, F6R14, F6R15, F6R16, F6R17**

Naphthalene	F6R05, F6R15, F6R07, F6R17, F6R16
2-Methylnaphthalene	F6R07, F6R17, F6R12, F6R13, F6R11, F6R09, F6R10, F6R15, F6R16
1,1'-Biphenyl	F6R06
Acenaphthene	F6R06RX
Fluorene	F6R06RX
Phenanthrene	F6R05, F6R15, F6R06RX
Anthracene	F6R16, F6R06RX
Carbazole	F6R16
Di-n-butylphthalate	F6R14

Data Review Results

Wed, 6 Jan 2016 17:06:21

Lab Code: EQI

SDG: F6R05

Contract: EPW14035

Submission Group Id: 30115556

Lab Name: Shealy Environmental Services, Inc.

Case: 45671

Client: EPA Region 6

SOW: SOM02.3

Test Name: EXES-790

Defect Message: The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.

Associated Samples: F6R05, F6R06, F6R06RX, F6R07, F6R09, F6R10, F6R11, F6R12, F6R13, F6R14, F6R15, F6R16, F6R17

Fluoranthene	F6R16, F6R06
Pyrene	F6R15, F6R06RX, F6R05
Benzo(a)anthracene	F6R16, F6R06
Chrysene	F6R15, F6R06
Benzo(b)fluoranthene	F6R06, F6R16
Benzo(a)pyrene	F6R06, F6R16

Method - Semivolatiles by SIM

Test Name: EXES-790

Defect Message: The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.

Associated Samples: F6R05, F6R05RX, F6R06RX, F6R08, F6R09, F6R10, F6R11, F6R13, F6R15, F6R16RX, F6R17

Naphthalene	F6R08
Acenaphthene	F6R15
Fluorene	F6R15
Phenanthrene	F6R17, F6R08
Anthracene	F6R15
Fluoranthene	F6R10, F6R15, F6R05RX
Benzo(a)anthracene	F6R05RX, F6R10
Chrysene	F6R05RX, F6R11
Benzo(b)fluoranthene	F6R06RX, F6R15, F6R09, F6R13
Benzo(k)fluoranthene	F6R10, F6R16RX, F6R15, F6R05
Benzo(a)pyrene	F6R06RX, F6R10, F6R05RX, F6R15
Indeno(1,2,3-cd)pyrene	F6R05, F6R06RX, F6R15, F6R10
Dibenzo(a,h)anthracene	F6R15, F6R05
Benzo(g,h,i)perylene	F6R06RX, F6R15, F6R05RX
1,1'-Biphenyl	F6R16RX, F6R15, F6R06RX
Dibenzofuran	F6R10, F6R11